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Breazeale

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(54) **EXPLOSION CONTAINMENT NET**

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(58) **Field of Search** 86/50; 102/502, 102/504

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,631,977 A * 3/1953 Allen 252/7
3,648,613 A * 3/1972 Cunn 102/303
3,801,416 A * 4/1974 Gulbierz 109/49.5
3,814,016 A * 6/1974 Leach et al. 102/303
4,589,341 A * 5/1986 Clark et al. 102/303
5,076,168 A * 12/1991 Yoshida et al. 102/303
5,750,918 A * 5/1998 Mangolds et al. 102/502
5,864,767 A * 1/1999 Drumgoole et al. 588/202
6,289,816 B1 * 9/2001 Keenan et al. 102/303
6,405,626 B1 * 6/2002 Bureaux et al. 86/50
6,439,120 B1 * 8/2002 Bureaux et al. 102/303

* cited by examiner

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(57) **ABSTRACT**

A net is made from an explosive resistant material such as KEVLAR and is thrown over an explosive-laden device such that the net helps contain the blast force of the explosive-laden device. The net also has a nozzle that is fluid connected to a fire suppressant agent as well as a high density foam, each of which are discharged through the nozzle once the net is thrown over the explosive-laden device, the fire suppressant agent and the high density foam each helping to minimize the blast force of the explosive-laden device. The net can be thrown manually or can be fired from a gun that uses either pneumatic force or a firing cartridge to propel the net at its target.

9 Claims, 4 Drawing Sheets